SESSION 1
Afternoon | 13.30 – 17.30

Chairpersons: L. PRIETO – A. TAGLIABRACCI

FORENSIC GENETICS

OP-1 Probabilistic multi-software Low Template–DNA mixtures interpretation. A new approach to prevent mistakes in real casework highly challenging samples

OP-2 Planning, start up, validation and QA of a forensic genetics laboratory. Body fluid ID, mixture interpretation and ethnic affiliation estimation

OP-3 When the alleged father has a twin, which is the role of the forensic genetics in the attribution of the paternity?

OP-4 The use of DNA database of biological evidence from sexual assaults in criminal investigations. A successful experience in Brasília, Brazil

SYSTEMS BIOLOGY APPLIED TO BIO-MEDICOLEGAL SCIENCES

OP-5 A study of potential cytotoxic effect of 1,4 dioxane on human hepatic cells (Hep10) and possible effect on expression profiles of CYP2E1 & CYP2A6 genes

OP-6 Human papillomavirus warts in childhood. Diagnostic and medico-legal considerations

OP-7 Micro-RNA profiling in a sudden unexpected death in epilepsy

OP-8 Potential cytotoxic and genotoxic effects of lead on human dermal fibroblast cell lines in vitro

FORENSIC ODONTOLOGY

OP-9 Teeth by numbers

OP-10 Sex extimation based on tooth measurements using panoramic radiographs

OP-11 Informed consent. A tool for risk management

OP-12 The use of conscious sedation in dentistry. Operating limits and profiles of professional responsibility

COFFEE BREAK
### Oral Presentations

**Wednesday, 22nd of June, 2016**

**FORENSIC ODONTOLOGY**

| OP-13  | Malpractice. What recourse for the victims? | G. DROGOU |
| OP-14  | The identification of composite resin restorations within natural teeth | A. FORGIE |
| OP-15  | Dental identification. Still up to date? | C. GRUNDMANN |
| OP-17  | Dental practice within the limits of civil law | D. VIEIRA |
| OP-18  | Dental age estimation in children with chromosomal syndromes | G. VITALE |

**OTHER**

| OP-19  | Medieval crimes in Friuli. The utility of a multidisciplinary approach in the study of polysome burials | F. COSTANTINIDES |
| OP-20  | Deaths under the responsibility of the Dutch police. Lessons to be learned | W. DUIJST |
| OP-21  | The crime scene to courtroom initiative. Forensic science training for capital litigators | C. HENDERSON |
| OP-22  | Developing the software to manage a forensic institute. The part time solution in Joinville (Brazil) | F. A. TIRONI |
Oral Presentations

Wednesday, 22nd of June, 2016

SESSION 2
Afternoon | 13.30 – 17.30

Chairpersons: M. CAPLINSKIENE – S. A. DOMITROVICH

CLINICAL LEGAL AND FORENSIC MEDICINE

FIRST AUTHOR

OP-23 Duration of the compulsory psychiatric forensic hospital treatment compared to maximum penalty sentences in the Republic of Croatia
M. ĆURKOVIĆ

OP-24 Criminal symbolism of “Pearling”. Case report and literature review
A. LANZARONE

OP-25 The mentally ill offenders in Italy are a legal category, but not a clinical-diagnostic cluster. Study of a particular population (art. 111, L.230/00)
S. LIBIANCHI

OP-26 Discernment in forensic psychiatric examination in Romania
C. SCRIPCARU

OP-27 Analysis of 58 cases of sexual violence bearing forensic interest. Congruence between the victim’s report and the data from laboratory analyses
E. ALBANESE

OP-28 Severe anal traumatic injuries after sexual abuse by father on a 11-month-old girl
F. CATHALA

OP-29 Medico-legal assistance to victims of torture seeking political asylum in Milano
F. MAGLI

OP-30 Outcomes of Claims Management Committee of Careggi Hospital in Florence for the period 2010–2014
V. BARTOLINI

OP-31 Surgical complication or medical error? A case report on different assessments and approaches
S. CHIERICI

OP-32 An analysis of obstetrics’ and gynecology’s litigations in the Rome criminal Court from 2000 to 2014
F. DE-GIORGIO

OP-33 Homicide and the unborn child. Is the fetus a person?
N. JOUSSET

OP-34 Clinical validation survey for blood loss quantification in forensic practice
C. LARDI

COFFEE BREAK

OP-35 Important role of autopsy in interpretation of medical accidents
H. MATSUMOTO

OP-36 Medical and dental professional liability in first-instance judgments issued by the civil court of Matera (Italy) during the period 2002–2013
E. NUZZOLESE

OP-37 Biosimilar drugs prescription and professional liability
M. A. PIGA
## Oral Presentations

*Wednesday, 22nd of June, 2016*

| OP-38 | The physical restraint in health-care. A case report and legal-medicine consequences | E. SCALICI |
| OP-39 | Clinical case of a patient with atrial fibrillation and arterial embolism | B. SLAVCHEV |
| OP-40 | Criteria for assisted suicide. Geneva doctors' opinion | S. BURKARDT |
| OP-41 | Judicial verdicts after survived strangulation | D. K. FRÖHLICH |
| OP-42 | A pragmatic approach to test the reliability of permanent impairment classifications. A study applied to a sleep disorder | A. GOVI |
| OP-43 | Dead mantalking. Forensic evaluations of people who are no longer among the living | V. C. SHNAIDMAN |
**Oral Presentations**

*Thursday, 23rd of June, 2016*

**SESSION 3**  
Morning | 9.00 - 13.00

Chairpersons: **C. P. CAMPOBASSO - T. DOSTALOVA**

**FORENSIC ANTHROPOLOGY**

**OP-44** Tanner Stages are affected by ethnic origin as assessed at forensic age estimation cases  
**FIRST AUTHOR** S. T. LARSEN

**OP-45** Racial differences in skeletal maturation in african and white children assessed with hand-wrist methods  
**V. SANTORO**

**OP-46** Classified epiphysis automatically with support vector machine in distal radius and distal ulna  
**Y. WANG**

**OP-47** The difficult task of diagnosing prostate cancer metastases on dry bone  
**E. CASTOLDI**

**OP-48** Analysis of characteristics of three different 3D surface scanners employed in Forensic Sciences  
**S. M. DA COSTA**

**OP-49** Experimental analysis of post-mortem-interval in aerated cemetery burial recesses vs. inhumation and traditional burial recesses  
**E. GUARESCHI**

**OP-50** Kinesiological analysis in osteoarchaeology. Reconstruction of pathomechanics, treatment and walk from a post medieval femur fracture  
**M. LICATA**

**OP-51** Additive manufacturing applied to Forensic Sciences  
**S. F. C. MAIA**

**OP-52** Reconstructing the life of an unknown mummy. Multidisciplinary study suggests severe Chagas disease and ritual homicide  
**O. PESCHEL**

**OP-53** Skeletal human remains in Straumsvik, Iceland. Solving a 50 year old murder case?  
**S. RICHTER**

**OP-54** The effect of demographic and clinical variables on fracture healing  
**Z. OBERTOVÁ**

**OP-55** Identifying the origins of bone damage from topographic 3D profiles recorded with optical interferometry  
**S. WÄRMLÄNDER**

**COFFEE BREAK**

**FORENSIC ANTHROPOLOGY**

**OP-56** Challenges to positive (personal) identification of historically unidentified remains  
**K. GRUSPIER**

**OP-57** Post-mortem CT and forensic odontological identification in Copenhagen, Denmark. Present workflow and results from a study  
**S. ARGE**
## Oral Presentations

*Thursday, 23rd of June, 2016*

| OP-58 | Facial reconstruction. The thickness of the soft tissue of the face in a sample of caucasian calculated by CT scan | A. DE DONNO |
| OP-59 | Multidisciplinary cooperation in forensic casework of skeletonized remains. An essential approach | G. LANDI |
| OP-60 | Personal identification of the living in child sexual abuse materials | D. LORKIEWICZ-MUSZYNSKA |
| OP-61 | Unusual patterns of scavenging by cookiecutter sharks on the victims of the Yemenia crash (June 30, 2009) | A. RIBEREAU-GAYON |
| OP-62 | Sexual dimorphism in frontal inclination angles measured from digital 3D models from four different world populations | A. PETAROS |
| OP-63 | Sex estimation of human crania using mastoid process volume. A novel digital method developed on 3D models of dry crania | A. PETAROS |
| OP-64 | Sex determination based on measurements obtained from a thoracic vertebra and ribs | S. TSUBAKI |

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LUNCH
**Oral Presentations**

*Thursday, 23rd of June, 2016*

**SESSION 4**  
**Morning | 9.00 - 13.00**

Chairpersons: **A. FASSINA - K. O. PESCHEL**

### FORENSIC PATHOLOGY

| OP-65 | An experimental study about selenium in gunshot residue | F. S. ROMOLO |
| OP-66 | Experimental staining in the barrel (part II). The gap between muzzle and target | C. SCHYMA |
| OP-67 | Contact or distance shot? The morphological appearance of the permanent cavity by shots with semi-jacketed bullets | V. STERZIK |
| OP-68 | Craving suicide | N. CUCURACHI |
| OP-69 | A complex suicide case | G. PATRU |
| OP-70 | Differentiating between fresh and thawed amputated decomposing limbs. A macro- and microscopic approach | T. KRAP |
| OP-71 | Methoxetamine, the rising challenge of new drugs to the forensic pathologist | J. ROSMANINHO |
| OP-72 | Traumatic brain injury. The role of mast cells, glial cells and hypoxia | R. M. GAUDIO |
| OP-73 | Hypersensitivity vasculitis and sudden death | R. HENRIQUES DE GOUGEVA |
| OP-74 | A Shaken Baby syndrome case report. Histopathological perspectives | C. PONTINHA |

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**COFFEE BREAK**

| OP-75 | High-quality digital 3D reconstruction of microscopic findings in forensic pathology. The pathway of a heart stab wound | A. PORZIONATO |
| OP-76 | Age classification of acute aortic dissection. An immunohistochemical approach | S. D. VISONÀ |
| OP-77 | Sudden death due to endomyocardial fibrosis. A case report | C. ROSSETTI |
| OP-78 | Elderly suicide in Portugal. A two year study of autopsy reports | J. VIEIRA DE SOUSA |
| OP-79 | Multidisciplinary approach in sudden cardiac death of young. The value of post-mortem genetic analysis | L. BUSCEMI |
Oral Presentations
Thursday, 23rd of June, 2016

OP-80  Autopsy performance time. When should an autopsy be performed?  A. AVŞAR
OP-81  SEM–EDS analysis on the skin of cadavers for the detection of environmental residues  G. CACCIA
OP-82  A case of early perinatal death due to congenital diaphragmatic hernia  S. COSTANTINI
OP-83  The significance of cervical lesions in hanging. A case–control study  G. D. L. CRUDELE

LUNCH
**Oral Presentations**

*Thursday, 23rd of June, 2016*

**SESSION 5**

*Afternoon | 15.00 – 18.30*

Chairpersons: **C. Jackowski – R. Van Rijn**

**FORENSIC ANTHROPOLOGY**

**OP-84** 3D Digital Forensic Facial Reconstruction: a pilot protocol developed using an association of different 3D and 2D image manipulation software

FIRST AUTHOR: **S. F. C. Maia**

**FORENSIC RADIOLOGY**

**OP-85** Aortic dissections on unenhanced postmortem computed tomography

FIRST AUTHOR: **G. Ampanozi**

**OP-86** Micro-CT features of saw and cut marks on human bones before and after exposure to fire. A preliminary study

FIRST AUTHOR: **G. Pelletti**

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**COFFEE BREAK**

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**OP-87** Countries’ borders. Search for persons

FIRST AUTHOR: **H. Vogel**

**OP-88** Pulmonary embolism in PMCT

FIRST AUTHOR: **A. Heinemann**

**OP-89** Very economical immersion pump feasibility for post-mortem CT angiography

FIRST AUTHOR: **W. Schweitzer**

**OP-90** Detection of traumatic pseudoaneurysm of internal carotid artery inside the sphenoid sinus by combination of postmortem MSCT, MRI and angiography

FIRST AUTHOR: **Y. Shao**

**OP-91** Detection of right cardiac rupture using post-mortem computed tomography angiography by cardiac puncture

FIRST AUTHOR: **L. Wan**

**OP-92** The truth lies within. The value of inner livores in a homicide case

FIRST AUTHOR: **E. Brencicova**

**OP-93** Automatic entry point planning for robotic post-mortem CT-based biopsyneedle placement

FIRST AUTHOR: **L. C. Ebert**

**OP-94** Friar Leopoldo Mandic (1866–1942): the computed tomography of the body of a Saint

FIRST AUTHOR: **V. Macchi**

**OP-95** PMCT forensic imaging as routine added value to classic autopsy. Operative-manual for multidisciplinary win-win results in the Swiss Canton Ticino

FIRST AUTHOR: **M. Palmesino**

**OP-96** Post-mortem CT and stab wounds

FIRST AUTHOR: **G. Patru**

**OP-97** Advantages and limits of post-mortem computed tomography in the investigation of gunshot wound deaths

FIRST AUTHOR: **E. Radheshi**
Oral Presentations

Thursday, 23rd of June, 2016

**OP-98**  PMCT skull trajectory reconstruction of multiple gunshot in two homicidal cases with PACS reconstruction software  
FIRST AUTHOR  M. P. SCARPELLI

**OP-99**  Juvenile sudden cardiac death. When post-mortem magnetic resonance imaging is suitable? Surely in ARVC/D cases  
FIRST AUTHOR  T. GUERRINI

**FORENSIC ENTOMOLOGY**

**OP-100**  Molecular biologist, please, do not destroy the evidence  
FIRST AUTHOR  F. TUCCIA

**OP-101**  Chronobiological studies on body search and emergence of first colonizer flies in outdoor cases  
FIRST AUTHOR  S. VANIN
## Oral Presentations

*Thursday, 23rd of June, 2016*

### SESSION 6

**Afternoon | 14.00 – 18.30**

**Chairpersons:** R. GIORGETTI - C. SCHYMA

### FORENSIC PATHOLOGY

| OP-102 | Suicide rates and methods in central Rome from 2004 to 2014 | A. DI LUCA |
| OP-103 | Baby Tyler case. Should medical examiners use uncorroborated statements by defendants versus only objective, scientific, medical evidence in reports? | J. S. DOMITROVICH |
| OP-104 | Mortui vivos doce(a)nt. The opinions of Italian undergraduate students towards the donation of bodies for didactic and scientific purposes | D. GIBELLI |
| OP-105 | Mistakes in expertise by maternal death | R. HADJIEV |
| OP-106 | Forensic pathology publishing. What does the future hold? | C. MARQUES PONTINHA |
| OP-107 | Trítícéa cartilage. The most important anatomical variation to consider when examining larynx fractures | J. PINHEIRO |
| OP-108 | The use of Mini-CrimeScope to detect organic and inorganic traces on the corpse. Case report of a homicide case by suffocation | E. RADHESHI |
| OP-109 | Forensic medical examination of death in police custody and imprisonment | M. SCHWERER |

**COFFEE BREAK**

| OP-110 | Investigations into deaths under responsibility of the police. Obligations under the European Human Rights Convention and practice in the Netherlands | E. THOONEN |
| OP-111 | Comparison of medico-legal systems, specifically related to post-mortem examination, across Europe | C. WOUDENBERG-VAN DEN BROEK |
| OP-112 | Paradoxical gas embolism during consensual sexual intercourse in an elderly woman | D. ZWAHLLEN |
### Oral Presentations

*Thursday, 23rd of June, 2016*

| OP-113 | Underlying substance abuse in drunk drivers. Lack of a uniform toxicological protocol in assessing fitness to drive | A. NALESSO |
| OP-114 | Structural stability of Cyclohexylphenol CP 47,497 (C8 Homologue) to the burning temperature of cigarette | M. DI FELICIANTONIO |
| OP-115 | Developing a validated method for simultaneous determination of 15 synthetic cannabinoids | M. GÜRLER |
| OP-116 | The use of fingerprints for drugs of abuse testing | M. ISMAIL |
| OP-117 | Using the Waters® Forensic Toxicology application solution with Unifi® to screen for cannabis | R. LEE |
| OP-119 | A forensic toxicological approach in monitoring the therapeutic use of Sativex in multiple sclerosis | N. MAGUOLO |
| OP-120 | Occupational exposure to ketamine. A retrospective and prospective toxicological study | S. VOGLIARDI |
| OP-121 | A case of suicide by ingestion of caffeine | A. BONSIGNORE |
| OP-122 | Fatal overdoses by illicit and prescription drugs in autopsy material of Bratislava (Slovakia) forensic medicine workplaces | J. SIDLO |
| OP-123 | Quantification of 11-nor-9-Carboxy-THC in hair using a hybrid triple quadrupole linear ion trap mass spectrometer? | X. HE |
**Oral Presentations**

*Friday, 24th of June, 2016*

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**SESSION 7**

**Morning | 9.00 - 13.00**

Chairpersons: **C. TERRANOVA – J. TUUSOV**

**CLINICAL LEGAL AND FORENSIC MEDICINE**

**OP-162**

Equivalency of causes in compensation law in the Italian Court. A case series

**FIRST AUTHOR**

**D. BONETTI**

**OP-163**

Sudden death during physical restraint by the Dutch police

**L. DIJKHUIZEN**

**OP-164**

Reproductive medicine: Comparative juridical analysis of European and Serbian laws on abortion

**G. KOVACEK**

**OP-165**

The meaning of Being as a nurse involved in the work of death investigation. A North American view and its implications to practice in England

**J. RUTTY**

**OP-166**

Forensic medical identification of 355 cases with hearing impairment

**X. Y. YANG**

**OP-167**

Ascertaining serious injury for the purpose of personal injury compensation in law. A legal-comparative perspective

**A. LE ROUX-KEMP**

**OP-168**

The prior state in the affectation of the contralateral limb. Synergistic aggravation and a new perspective on the evaluation of damage under civil law

**P. C. OLIVEIRA**

**OP-169**

The application of the doctrine of a loss of a chance to recover in medical law

**P. VAN DEN HEEVER**

**OP-170**

Examination on living persons in Estonia

**M. VÄLI**

**OP-171**

The effect of bone type on fracture healing

**A. VIERO**

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**COFFEE BREAK**

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**OP-172**

Forensic identification on erectile dysfunction caused by traffic accidents (248 cases reports)

**F. WANG**

**OP-173**

Homicide characteristics in Greenland 1985–2010

**M. R. CHRISTENSEN**

**OP-174**

Mandatory medical treatment vs volunteer admission. Problems about psychiatric medical liability

**E. SCALICI**

**OP-175**

English mental health law and John Rawls’s justice as fairness. A vision for the future?

**L. BOUIC**

**OP-176**

Autism spectrum disorders and sexual offences

**R. FERRARA**
Oral Presentations

Friday, 24th of June, 2016

OP-177  Ten years of psychiatric examination of detainees by forensic physicians in the Netherlands  
FIRST AUTHOR  K. VAN DEN HONDEL

OP-178  Suicide notes analysis in Geneva  
D. AGUIAR

OP-179  From victim to perpetrator. Forensic medicine considerations on a incest case  
R. FERRARA

OP-180  Post-mortem evaluation of capacity to make a will in elderly patient. Increasing relevance of nursing record  
D. TORRI

LUNCH
Oral Presentations

Friday, 24th of June, 2016

SESSION 8
Morning | 9.00 - 13.00

Chairpersons: P. BEN - F. DE GIORGIO

**FORENSIC PATHOLOGY**

**OP–181** Traumatic and drifting lesions on victims of an airplane crash in the ocean. The case of Yemenia flight IY26

**FIRST AUTHOR**

A. RIBEREAU-GAYON

**OP–182** Myocardial bridge pathology and preventable accidents during physical activity of healthy subject

A. ARGO

**OP–183** Familial nesidioblastosis as the possible cause of sudden and unexpected death of three siblings

B. HAVASI

**OP–184** Elderly home death cases. The need of forensic analysis of the potentially wrongful death

E. M. KERESZTY

**OP–185** The role of the pathologist in diagnosing congenital heart disease (CHD), associated with extracardiac malformations (ECM)

E. MARESI

**OP–186** Sudden aortic death in forensic and clinical pathology. A comparative study of 45 cases

K. MICHAUD

**OP–187** Genetic analyses in sudden unexpected death cases with suspicion of inherited cardiomyopathy

S. SCHEIPER

**OP–188** Estimation of post-mortem interval by means of ascorbyl radical variation in vitreous humour, using electron paramagnetic resonance

D. GIROLAMI

**OP–189** Diagnosis of drowning. Updates on 2016

H. MATSUMOTO

**OP–190** A statistical analysis of standard organ weights and their changes during the post-mortem interval using forensic autopsy cases

Y. USUMOTO

**COFFEE BREAK**

**OP–191** The cholesterol levels increase in peripheral nerve tissue and post-mortem interval evaluation

G. VACCHIANO

**OP–192** Bodies recovered from the North Sea. An aquatic decomposition scoring method

M. VAN DAALEN

**OP–193** Discovery of a hyoid bone fracture and mechanical asphyxia in a suspicious fatal traffic accident

A. FARRUGIA
## Oral Presentations

*Friday, 24th of June, 2016*

| OP-194 | Unexpected death in commercial truck drivers. Meta-analysis of 25 cases not related to road accidents in the years 2006 to 2015 | M. J. SCHWERER |
| OP-195 | Numerical reconstruction exploration on the identification of the motorcycle driver in a three-rider motorcycle-microvan accident | L. ZHENG DONG |
| OP-196 | New preventive technology against the risk of falling from a height. From analysis of casuistry to an intelligent system for working and rural environment | C. MORE SCHI |
| OP-197 | Work-related death due to a carotid artery injury. A case report | S. PEROTTI |
| OP-198 | Characteristics of electrically injured skin from human hand tissue samples using Fourier transform infrared microspectroscopy | P. HUANG |
| OP-199 | Technical improvement in asbestos body count from lung tissues | N. ONORI |
| OP-200 | Age estimation at death by the sternal end of the fourth rib examination in a Tunisian male population | A. MOSBAHI |

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**LUNCH**